Project Baseline Summary Report

Data Source: **EM CDB** Report Number: **GEN-01b**

Operations/Field Office: **Rocky Flats** Print Date: **3/9/2000**

Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

Purpose: This project is to accomplish a transition of the Building 707/750 Cluster from an operating nuclear facility and support facilities to a closed and remediated site.

During the cold war period, Building 707 was used to perform all metallurgical and asembly processes for manufacturing plutonium components. Different modules located in Building 707 housed operations such as casting, rolling, forming, machining, assembly and testing of materials. In addition, plutonium items were stored in vaults such as the X-Y Retriever. When all nuclear production was halted in 1989, Special Nuclear Materials (SNM) were left in place without any handling or repackaging pending resumption of nuclear operations. The Rocky Flats production mission was formally terminated in 1992 such that routine production operations were no longer planned. Resumption efforts have been undertaken in Building 707 to begin processing, stabilizing and repackaging the SNM to make it safe to store, handle and ship. This effort will continue in Building 707 through approximately 2002. As the effort to stabilize material progresses, and as this cluster's buildings are no longer required to process and store SNM, it is necessary to deactivate, decommission, decontaminate, dismantle, and demolish these nuclear and support facilities to further minimize risk, reduce mortgage costs and to fulfill the site closure mission. When the buildings are demolished, remediation of soils under and around buildings will be conducted.

Authorization for these activities are addressed in various Authorization Basis documents e.g., B707 Basis of Interim Operations and the Site SAR.

During this transition, there are six key activities that must take place to bring each of the facilities within the Cluster to Closure. They include;

Facility Landlord Functions: to provide safe, compliant facilities to allow mission and site closure activities to occur. These activitites include; surveillances on Limiting Conditions for Operations (LCOs), Vital Safety Systems (VSS) as
required by the building specific authorization basis document (e.g., fire systems, criticality alarm systems, HVAC systems), inspections on RCRA units, security systems, radiological systems, industrial safety, maintenance activities on VSS,
facility support sytems, structures or components, and Operations management and technical support for building baseline activities and in support of mission
activities.

SNM Removal Operation: to remove any SNM from untoward places for proper dispositioning.

Deactivation: to place the facilities with the Cluster in a safe, stable condition to minimize landlord costs, surveillance and maintenance costs, for the purpose of retiring the facilities with adequate regard for the health and safety of the worker and to protect the public and environment. Some of these activities includes;
prerequisite project management, planning and engineering, and characterization for the removal of hazardous chemicals and materials, containerized wastes, classified tooling, parts and material, TRU waste, etc.

Project Description Narratives

Decommissioning: To complete remaining activities in the facility that occurs after
Deactivation as defined in the Site's Facility Disposition Program Manual which include: Scoping, Phase I Planning (Reconnaissance Level Characterization Report), Phase II Planning and Engineering (Development of AB document, Work
Packages, Decision Documents), Execution (surveillance and maintenance, equipment and facility decontamination, equipment dismantlement, utility system shutdown, and final demolition of the facility and disposal of rubble/wastes).

Remediate High Risk IHSS/UBC: to include soil characterization (core sampling),removal and disposal of concrete and soils, and placing Caps, as appropriate on the slab, to meet Closure Requirements. Remediation typically includes;
excavation and treatment of soils such as thermal desorption and/or containment could include capping or closure in place. Remediation /containment of these IHSS's can be broken into three activities; 1) Planning/Authorization,
Remediation/Disposition, 3) Final Regulatory Approval.

Closure: includes the sampling, analyzing, and review and reporting of data necessary to ensure Site and Regulatory requirements have been met for Closure.

During this transition from operating facilities to a closed site, there are six phased activities. They are listed below and described in the Definition of Scope and Technical Approach sections:

Facility Landlord Functions - The purpose is to ensure that the buildings in the cluster are maintained in a safe, secure, and environmentally compliant status until turnover to Decontamination & Decommissioning.

SNM Removal Operations - The purpose is to complete all required stabilization, consolidation and removal activities such that the Material Access Area is no longer required.

Deactivation - The purpose is to complete hazardous material removal, close unnecessary RCRA units, remove accessible holdup, and align the safety system controls to the reduced hazard levels.

Decommissioning - The purpose is to decontaminate, dismantle and demolish the cluster's buildings down to the foundation.

Closure - The purpose is to achieve turnover of the buildings for final remediation work.
Remediate/Contain High Risk IHSS - The purpose is to achieve the agreed upon end state for the remaining foundation and associated soil.

Scope: B707 CLUSTER CLOSURE STRATEGY
The broad technical approach for the 707 Cluster Closure Project is to start Deactivation activities, specifically SNM Holdup Removal in mid FY99 to support a MAA closure by FY 02. This will occur in parallel with mission activities, e.g., Ash, Salt, etc.

SNM Holdup Removal will be sequenced by Module/areas based on the Modular availability, resource availability, and the amount of SNM Holdup needed to be removed to accomplish MAA Closure, e.g., accessible oxides and metals 1st. To support the MAA Closure, all metal and classified

Project Description Narratives

matter will also need to be shipped out of B707 to B371 by 2/02 to support the 3/02 MAA Closure date. This will allow for S&S validation and certification to start on 2/02 and complete 3/02. Additional SNM holdup removal activities will occur and be completed to support a Protected Area (PA) Closure by 10/02.

Other Deactivation activities will be performed in parallel with SNM Holdup Removal activities. In addition, start of physical Decommissioning will need to start no later 10/01 to support a 2006 Closure Strategy. This will require initiation of decommissioning planning & development of decommissioning documents (AB, DOP, PEP, etc.) in the 1st quarter FY00.

B707 will utilize "Modules or sets" for Deactivation (including SNM Holdup Removal) and Decommissioning activity planning and execution purposes. These Modules define specific rooms or areas that will be deactivated/decommissioned in a systematic and integrated manner. The strategy will be to focus on high SNM Holdup areas in each of the Modules first. The following are B707 current define Modules or Sets. Each Module may contain one or more high holdup areas of SNM or other high hazard area.

Module A - - Salts Mission 14 Areas 30% Liquids
Module B - - Available 11 Areas
Module C - - Available 8 Areas 100% Liquids
Module D - - Dry Mission See Miscellaneous Set
Module E - - Ash Mission 8 Areas
Module F - - Available See Miscellaneous Set
Module G - - Available See Miscellaneous Set
Module H - - Available See Miscellaneous Set
Module J - - Therm. Stab. 8 Areas
Module K - - Dry & Size ¸ 7 Areas
J/K Centerline - ¸ ¸ 15 Areas
X/Y Retriever - ¸ ¸ 1 Area
Miscellaneous (D, F, G, H, 2nd Floor, CA Rooms)¸ 13+ Areas
(9 for D,F,G,H and 4 for 2nd Floor, Unknown for CA Rooms)
Classified Matter Removal
Cold Office Spaces
Raschig Ring Removal
1st Floor Corridors

Near-term activities to support closure will focus on Decommissioning Planning activities such as, project Scoping, and Phase 1 Planning and Phase 2 Planning and Engineering.
This work will include development of project scope and strategy, initial (reconnaissance level) characterization, development of detailed project schedules and cost estimates, and development and approval of project decision documents (such as the DOP). Also included is the B778 Cluster.

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Project **RF017 / Building 707/750 Cluster Closure Project**

Project Description Narratives

The former nuclear production building (B707), located within the Protected Arera, includes 196,930 sq. ft. of floor area on two floors. The first floor houses the manufacturing and assembly equipment, and the second floor houses the HVAC and other support equipment.. There are four other buildings in direct support of Building 707 as follows: 1) Building 708 Compressor Bldg.; 2) Building 711 Cooling Tower; 3) Building 711A Emergency Generator Bldg.; and 4) Building 718 Service Bldg.

The Building 750 cluster, plus 6 tents(#'s 2, 3, 4, 5, 6, and 12) - Type 2, 1 separate tank, and 2 trailers (T750E and T750F- Type 1) in the Building 750PAD Cluster. These buildings comprise the total scope of buildings within the 707/750 Cluster Closure Project. Additionally, there are 13 other buildings in the Building 750 Cluster (74,000 sq. ft. total) as follows:

Building 705 Coatings Lab, Building 706 Library, Building 706TA Admin Trailer, Building 707TB Admin Trailer, Building 707TS Oil Storage Shed, Building 709 Cooling Tower, Building 709A CT Pump/Gen, Building 750 Engineering/Offices, Building 750TA Admin Trailer, Building 750TB Admin Trailer, Building 750TC Admin Trailer, Building 750TD Admin Trailer, Building 763 South Breezeway.

Technical Approach: The Facility Landlord Functions consist of the ongoing effort necessary to maintain a safe, compliant, and operable building in support of Defense Nuclear Facilities Safety Board (DNFSB) and RFCA milestones, performance measures, and other risk reduction activities. These activities must continue while SNM and residue processing, stabilization and storage (Ref Projects 6, 8, and 9) continue, and while SNM Holdup removal continues. The major sub-activities include compliance surveillances, maintenance, facility management and operations, and technical support.

Closure activities include SNM Removal Operations, Deactivation, Decommissioning, IHSS Remediation, and Closure. SNM Removal includes the removal of safeguards Category 1 and 2 SNM such that the Material Access Area (MAA) can be removed. Deactivation includes detailed characterization and planning for closure, plus removal of hazardous materials and excess equipment. Decommissioning includes decontamination, dismantlement, and demolition to the foundation. IHSS Remediation includes the characterization and removal or closeout of under- building contaminants. Closure includes the documentation of end state and formal closure and transition to monitoring (if required).

During FY04 the 13 Buildings in the 750 Cluster are scheduled for demolition. During FY04 the 778 Cluster (I building) is scheduled for demolition. During FY04 the 707 Cluster (1 major building, 3 support buildings and associated cooling towers) is scheduled for demolition.

The timing of these cluster demolition projects is important to avoid impacts on the near term risk reduction mission of Building 707. The 778 Cluster is the maintenance shop and locker room facility for B707, and, if demolished early, would necessitate provision for alternate facilities until the mission of B707 is complete. Currently the B707 mission is scheduled to complete during FY01. The office buildings in the 750 Cluster support ongoing risk reduction activities in B707, and if demolished early would necessitate alternate facilities to house support functions.

The technical risk associated with demolishing the 707 Cluster is expected to be resolved through performance of demolition projects on other large nuclear facilities at RFETS. Significant delays in demolition projects for these other facilities would place the current plan for the 707 Cluster at increased risk, due not only to technical uncertainties, but also potential resource limitations.

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Project **RF017 / Building 707/750 Cluster Closure Project**

Project Description Narratives

The demolition of the 750PAD Cluster is scheduled for completion by the end of FY01, with the completion of its current waste storage mission.

Project Status in FY 2006:

This project will be completed.

Post-2006 Project Scope:

No activities are currrently scheduled to occur after 2006 for this project.

Project End State

The project end-state will be achieved when the major elements have been completed and final closure has been achieved in accordance with RFCA and Site requirements.

Cost Baseline Comments:

Cost estimates are based on assumptions and data developed by the technical groups that have responsibility for managing the work. To the extent practical, all cost estimates are Activity-Based Costs (ABC) and tied directly to a defined and detailed work scope. The estimates are developed at the activity level and are further divided into line items. Line items represent individual resource contributions to activities and are the lowest level of input to the planning system. Once the cost estimate is developed,
each activity is evaluated for cost, technical and schedule risk and the appropriate contingency is determined. Detailed estimates and the basis of estimates (BOEs) for the 2006 Closure Plan are available at the Site.

Safety & Health Hazards:

The principle hazards in the Building 707/750 Cluster Closure Project are radiological, chemical, and other standard industrial hazards commonly found in Pu Buildings at RFETS. Most of these hazards will exist throughout the project and are related to characterization, hazardous material removal, deactivation, decommissioning, remediation, and demolition. These hazards will be analyzed and categorized in accordance with the RFETS Safety and Health Program infrastructure policies, manuals, and procedures.

Safety & Health Work Performance:

This project will be completed within the RFETS Safety and Health Program and within the controls and authorization basis documents defined above to ensure the safety and health of the worker, public and the environment. RFETS has implemented an integrated safety management system consisting of the following elements: radiological safety, criticality safety, emergency management, fire safety, industrial hygiene, nuclear safety, occupational medicine, occupational safety, safeguards and security, safety integration, performance oversight, and standards management. RFETS provides site wide infrastructure programs for each functional area to establish consistent safety standards and support for this project. Safety and health success results from the efficient and effective implementation of these programs. This project is responsible for ensuring that the necessary elements of the safety and health programs are incorporated into the specific project plans and implementing documents, and that an appropriate Readiness Determination and Safety Evaluation Screen (SES)/Unreviewed Safety Question Determination (USQD) have been performed.

This is accomplished through the Integrated Work Control Program (IWCP). Activities are screened using the Activity Screening Process. The

Project Description Narratives

screening results in a binning of the activity into a low, medium, or high planning category based on the hazard and uncertainty of the activity and the experience of the project team members. Safety and Health subject matter experts (SMEs) provide key support in the planning of the activity to ensure the safety and health of the workers and protection of the environment.

PBS Comments:

The operation of Building 707 in the near term is crucial to the Site's plutonium stablization mission. Several key residue stabilization projects are planned for performance in the building. These activities are in support of DNFSB 94-1 commitments.

For simplicity of presentation, and due to the total annual funding allocation for the site, the appropriate planning activities for deactivation and D & D is generally displayed at a summary level. When funding levels are determined, and specific annual plans are prepared, it may be necessary to adjust the scopes and budgets for planning the physical activities. However, it should be noted that RFCA and safety concerns dictate that from six months to a year, it is required to prepare, obtain regulatory/public review, etc, prior to beginning physical D & D. The waste volumes listed herein include newly generated waste from deactivation, D & D, and IHSS remediation activities. The volumes do not include wastes routinely generated or wastes from landlord activities which are all contained in Project 2.

Baseline Validation Narrative:

Although the 2006 Closure Plan has not been officially validated, it has undergone a high level review by Rocky Flats Field Office (RFFO) and Headquarter personnel. Current independent validation efforts include the following: 1) RFFO has contracted an independent firm to perform a baseline confidence review of the 2006 Closure Plan by the end of FY99, and 2) the Office of Field Management (FM) has contracted a big-five accounting firm to validate the 2006 Closure Plan.

In addition to the 2006 Closure Plan validation efforts, results/recommendations from several previous baseline validation efforts were used in the development of the 2006 Closure Plan. These validations included: 1) The U.S. Army Corps of Engineers (USACE) performed a validation of the Rocky Flats Ten Year Plan in FY97/FY98, 2) Kaiser-Hill contracted Price Waterhouse Coopers, LLP to conduct and independent validation effort of the 2010 Closure Project Baseline that concluded in May of FY99, and 3) Kaiser-Hill engaged Arthur Andersen, LLP to conduct a schedule and cost risk review of the 2010 Closure Project Baseline.

General PBS Information

Project Validated?		**Date Validated:**
Has Headquarters reviewed and approved project?	No	
Date Project was Added:	12/1/1997	
Baseline Submission Date:		
FEDPLAN Project?	Yes	

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Project **RF017 / Building 707/750 Cluster Closure Project**

General PBS Information

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	Y	Y	Y	N	N	Y	Y	Y

Project Identification Information

DOE Project Manager: Jessie Roberson

DOE Project Manager Phone Number: 303-966-2263

DOE Project Manager Fax Number: 303-966-4775

DOE Project Manager e-mail address: ten.year.plan@rfets.gov

Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006
PBS Baseline (current year dollars)	331,898	0	331,898	18,890	18,890	16,903	16,903	21,390	26,708	31,849	54,262	77,330	71,099	13,453	14
PBS Baseline (constant 1999 dollars)	310,518	0	310,518	18,890	18,890	16,903	16,903	21,390	26,006	30,374	50,684	70,746	63,707	11,806	12
PBS EM Baseline (current year dollars)	331,898	0	331,898	18,890	18,890	16,903	16,903	21,390	26,708	31,849	54,262	77,330	71,099	13,453	14
PBS EM Baseline (constant 1999 dollars)	310,518	0	310,518	18,890	18,890	16,903	16,903	21,390	26,006	30,374	50,684	70,746	63,707	11,806	12

	2007	2008	2009	2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
PBS Baseline (current year dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Project **RF017 / Building 707/750 Cluster Closure Project**

	2007	2008	2009	2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
PBS Baseline (constant 1999 dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (constant 1999 dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%	0.00%	2.70%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project: 9/30/2008

Current Projected End Date of Project: 1/24/2006

Explanation of Project Completion Date Difference (if applicable):

Scope Deletion

Efficiencies

New Scope

New Landlord scope includes services such as Nuclear Safety, Radiological Engineering, Laundry, Facility Management Overhead Support, etc. that were transferred into this PBS from other PBSs.

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Project **RF017 / Building 707/750 Cluster Closure Project**

Project Reconciliation

RFFO directed development and implementation of the B707 Authorization Basis / Basis for Interim Operations.

A security upgrade for B707 was identified, resulting in adding an MST Watch and the design and installation of equipment that provides a permanent, engineered security upgrade.

Cost Growth

The costs have been revised to be consistent with the Facility Disposition Cost Model that was developed to improve the basis and accuracy of the out year decommissioning cost estimates. This model is based on actual decommissioning costs incurred at Rocky Flats and actual cost data or bottom up estimates from other government and commercial facilities.

Science & Technology

Other

The scope of work and end state conditions for the 2006 Plan are similar to the current 2010 Baseline, with a four-year acceleration and a reduction in cost being the two most significant differences. The bottom-up estimate for the 2006 Plan is a $1.65 billion improvement over the comparable activity-based bottoms-up detail estimate for 2010.

To close the Site four years earlier than the current 2010 Baseline requires a strategically different approach. The two key principles followed in preparing the 2006 Baseline were: 1) safely reducing the urgent risks first, and 2) performing work in a sequence that reduces or eliminates operations, maintenance and security costs (often referred to as - mortgage costs) as early as possible. Key to the 2006 Baseline approach is early closure of the secured Protected Area. Closing the Protected Area as soon as possible means that the high security and maintenance costs for this area can be redeployed to accelerate other closure activities. In addition, D&D and SNM risk reduction activities will be performed simultaneously rather than sequentially, supporting both the risk reduction and mortgage reduction principles. The D&D of non- and lower-contaminated facilities and most environmental remediation work will be deferred until later in the project to allow resources to be focused in the areas that result in the greatest reduction in risks and mortgage costs.

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	218,173	**Actual 1997 Cost:**	18,890	**Actual 1998 Cost:**	16,903
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	182,380	**Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):**			4,924
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	187,304				

Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):		
Cost Reductions Due to Efficiencies (-):		
Cost Associated with New Scope (+):	54,084	Rebaselining due to acceleration. New scope dollar estimate is not of audit quality.

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Project Reconciliation

Cost Growth Associated with Scope Previously Reported (+):	
Cost Reductions Due to Science & Technology Efficiencies (-):	
Subtotal:	241,388
Additional Amount to Reconcile (+):	33,337
Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	**274,725**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
B707- Close MAA	RF-0305		3/28/2002		3/28/2002						
RFCA 707 Decom Demolition Cmplt (EMSS35 FY05-4)	RF-0418		2/8/2005		2/8/2005						
B707 Cluster Complete IHSS/UBC Remediation	RF-0434		6/14/2005		6/14/2005						
Complete PBD 017 - B707/750 Cluster Closure Proj	RF-OTHE-17		1/24/2006		1/24/2006					Y	
PBD 017 Project Start			10/1/1997								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critial Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
B707- Close MAA	RF-0305	Y									Kaiser Hill Internal (KHIs) Milestones
RFCA 707 Decom Demolition Cmplt (EMSS35 FY05-4)	RF-0418	Y									Rocky Flats Clean-up Agreement (RFCAs) Milestones
B707 Cluster Complete IHSS/UBC Remediation	RF-0434	Y									Kaiser Hill Internal (KHIs) Milestones
Complete PBD 017 - B707/750 Cluster Closure Proj	RF-OTHE-17				Y	Y					Kaiser Hill Internal (KHIs) Milestones
PBD 017 Project Start				Y							PBD 017 Project Start

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Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planne 200
RS														
Assess.	NR	3.00	0.00	3.00										3.(
RS														
Cleanup	NR	3.00	0.00	3.00										
Fac.														
Decom.- Assess.	NF	58.00	0.00	58.00		2.00	2.00		1.00				28.00	27.(
Fac.														
Decom- Cleanup	NF	58.00	0.00	58.00				2.00						28.(

Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035
RS													
Assess.	NR	3.00											
RS													
Cleanup	NR		3.00										
Fac.													
Decom.- Assess.	NF	27.00											
Fac.													
Decom- Cleanup	NF	28.00	28.00										

Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total
RS										
Assess.	NR									3.00

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Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total
RS Cleanup	NR									3.00
Fac. Decom.- Assess.	NF								1.00	58.00
Fac. Decom- Cleanup	NF									58.00

Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
RFTS	3254		PAC 700-1115 \ Identification of Diesel Fuel in Subsurface Soils	/	2004			2005				N		
RFTS	3392		UBC B707 \	/	2004			2005				N		
RFTS	3393		UBC B731 \	/	2004			2005				N		

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
RFTS	0053		707T \ TOMOGRAPHIC GAMMA SCANNER SYSTEM TRAILER (E of 707)	\		2004						2005				N		
RFTS	0054		708S \ SKID-MOUNTED BREATHING AIR COMPRESSOR (NW of 708)	\		2003						2005				N		
RFTS	0056		750-DP \ 750 PAD DECON PAD	\		2003						2004				N		
RFTS	0057		750P \ PROPANE TANK	\		2003						2004				N		

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Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
			FARM (aka Tanks 145, 146, 147, 148, 248, 249, 250, 251)															
RFTS	0116		S750 \ CUSTODIAL STORAGE CLOSET (E of T750B)	\		2003						2004				N		
RFTS	0281		T750F \ LOCKER TRAILER (PONDCRETE)	\		2003						2004				N		
RFTS	0282		T750G \ BREAK TRAILER (PONDCRETE)	\		2003						2004				N		
RFTS	0283		Tent 2 \ MIXED WASTE STORAGE	\		2003						2004				N		
RFTS	0284		Tent 3 \ MIXED WASTE STORAGE (SOLAR PONDS)	\		2003						2004				N		
RFTS	0285		Tent 4 \ MIXED WASTE STORAGE (SOLAR PONDS)	\		2003						2004				N		
RFTS	0286		Tent 5 \ MIXED WASTE STORAGE	\		2003						2004				N		
RFTS	0287		Tent 6 \ MIXED WASTE STORAGE (SOLAR PONDS)	\		2003						2004				N		
RFTS	0288		Tent 12 \ PONDCRETE STORAGE	\		2003						2004				N		
RFTS	0290		Tank 117 \ STORAGE TANK (E of P750)	\		2003						2004				N		
RFTS	0396		778 \ SERVICE BUILDING - LOCKERS & MAINTCE SHOP & FORMER CONTAMINATED CLOTHING LAUNDRY	\		2003						2004				N		

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Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
RFTS	0480		707 \ PU MANUFACTURING BUILDING	\		2004						2005				N		
RFTS	0481		708 \ COMPRESSOR BUILDING	\		2004						2005				N		
RFTS	0482		711 \ COOLING TOWER (707)	\		2004						2005				N		
RFTS	0483		711A \ COOLING TOWER EMERGENCY DIESEL PUMP	\		2004						2005				N		
RFTS	0484		718 \ SERVICE BUILDING, COOLING TOWER 711	\		2004						2005				N		
RFTS	0485		Tank 206 \ CARBON TETRACHLORIDE STORAGE TANK (aka D-2) (N of 707)	\		2004						2005				N		
RFTS	0486		Tank 208 \ LIQUID ARGON STORAGE TANK (S of 707)	\		2004						2005				N		
RFTS	0487		Tank 209 \ HELIUM STORAGE TANK V-41 (S of 707)	\		2004						2005				N		
RFTS	0488		Tank 210 \ HELIUM STORAGE TANK V-41 (S of 707)	\		2004						2005				N		
RFTS	0489		Tank 211 \ HELIUM STORAGE TANK V-41 (S of 707)	\		2004						2005				N		
RFTS	0490		Tank 212 \ HELIUM STORAGE TANK V-41 (S of 707)	\		2004						2005				N		
RFTS	0491		Tank 213 \ HELIUM STORAGE TANK V-42 (S of	\		2004						2005				N		

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Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
			707)															
RFTS	0492		Tank 214 \ HELIUM STORAGE TANK V-42 (S of 707)	\		2004						2005				N		
RFTS	0493		Tank 215 \ HELIUM STORAGE TANK V-42 (S of 707)	\		2004						2005				N		
RFTS	0494		Tank 216 \ HELIUM STORAGE TANK V-42 (S of 707)	\		2004						2005				N		
RFTS	0495		Tank 217 \ HELIUM STORAGE TANK V-40 (S of 707)	\		2004						2005				N		
RFTS	0496		Tank 218 \ HELIUM STORAGE TANK V-40 (S of 707)	\		2004						2005				N		
RFTS	0497		Tank 219 \ HELIUM STORAGE TANK V-40 (S of 707)	\		2004						2005				N		
RFTS	0498		Tank 220 \ HELIUM STORAGE TANK V-40 (S of 707)	\		2004						2005				N		
RFTS	0499		Tank 221 \ HELIUM STORAGE TANK V-40 (S of 707)	\		2004						2005				N		
RFTS	0500		Tank 223 \ LIQUID NITROGEN STORAGE TANK (SE of 707)	\		2004						2005				N		
RFTS	0501		Tank 284 \ HELIUM	\		2004						2005				N		

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Project **RF017 / Building 707/750 Cluster Closure Project**

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
			STORAGE TANK (S of 707)															
RFTS	0502		Tank 290 \ UNDERGROUND STORAGE TANK (DIESEL BLEND) (UST 16) (NW of 709; supports 708 & 709)	\		2004						2005				N		
RFTS	0503		Tank 324 \ STORAGE TANK (DIESEL) (W of 707; supports 711A)	\		2004						2005				N		
RFTS	0504		Tank 325 \ STORAGE TANK (DIESEL) (S of 707)	\		2004						2005				N		
RFTS	0505		TK-16 \ ABOVEGROUND STORAGE TANK (#2 DIESEL) (replacement for UST 16/Tank 290) (NW of 709; supports 708 & 709)	\		2004						2005				N		
RFTS	0654		705 \ COATINGS LABORATORY	\		2003						2004				N		
RFTS	0655		706 \ LIBRARY & OFFICES	\		2003						2004				N		
RFTS	0656		T706A \ OFFICES	\		2003						2004				N		
RFTS	0657		T707B \ OFFICES	\		2003						2004				N		
RFTS	0658		T707S \ FLAMMABLE LIQUIDS STORAGE SHED (S of 707)	\		2003						2004				N		
RFTS	0659		709 \ COOLING TOWER (707) (OUT OF COMMISSION)	\		1999						2004				N		
RFTS	0660		709A \ EMERGENCY GENERATOR/PUMP (709) (OUT OF COMMISSION)	\		2003						2004				N		

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Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
RFTS	0661		750 \ OFFICES & CAFETERIA	\		2003						2004				N		
RFTS	0662		T750A \ OFFICES	\		2003						2004				N		
RFTS	0663		T750B \ OFFICES & COMPUTER-BASED TRAINING CENTER	\		2003						2004				N		
RFTS	0664		T750C \ OFFICES	\		2003						2004				N		
RFTS	0665		T750D \ OFFICES	\		2003						2004				N		
RFTS	0666		763 \ PA BREEZEWAY	\		2003						2004				N		
RFTS	0667		T764A \ OFFICES	\		1997		9/30/1997				1998		1/31/1998		N		
RFTS	0668		T764B \ OFFICES	\		1997		9/30/1997				1998		12/30/1997		N		
RFTS	0670		Tank 205 \ LIQUID NITROGEN STORAGE TANK (NW of 705)	\		2003						2004				N		
RFTS	0671		T779A \ OFFICES	\		2003						2004				N		

Technology Needs

Site Need Code: RF-DD01

Site Need Name: Improved Decommissioning Characterization for Distinguishing Between Transuranic and Low-Levels of Contamination

Focus Area Work Package ID: DD-05 **Focus Area Work Package:** Material Recycle and Release

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate
Internal Duct Characterization System		

Project Baseline Summary Report

Data Source: **EM CDB** Report Number: **GEN-01b**

Operations/Field Office: **Rocky Flats** Print Date: **3/9/2000**

Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Technology Needs

Internal Duct Characterization System

Internal Duct Characterization System

Small Pipe Characterization System (SPCS)

Small Pipe Characterization System (SPCS)

Small Pipe Characterization System (SPCS)

Pipe Explorer (TM) System

Pipe Explorer (TM) System

Pipe Explorer (TM) System

Portable X-Ray, K-Edge Heavy Metal Detector

Portable X-Ray, K-Edge Heavy Metal Detector

Portable X-Ray, K-Edge Heavy Metal Detector

Gamma Ray Imaging System

Gamma Ray Imaging System

Gamma Ray Imaging System

Pipe Crawler Internal Piping Characterization System

Pipe Crawler Internal Piping Characterization System

Pipe Crawler Internal Piping Characterization System

Gamma Cam (TM) Radiation Imaging System

Gamma Cam (TM) Radiation Imaging System

Gamma Cam (TM) Radiation Imaging System

Indoor Radiation Mapping Using Laser Assisted Ranging and Data System

Indoor Radiation Mapping Using Laser Assisted Ranging and Data System

Indoor Radiation Mapping Using Laser Assisted Ranging and Data System

In Situ Object Counting System

Technology Needs

In Situ Object Counting System

In Situ Object Counting System

Decommissioning In-Situ Plutonium Inventory Monitor (DISPIM)

Decommissioning In-Situ Plutonium Inventory Monitor (DISPIM)

Decommissioning In-Situ Plutonium Inventory Monitor (DISPIM)

Electret Ion Chambers

Electret Ion Chambers

Electret Ion Chambers

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

Site Need Code: RF-DD02

Site Need Name: High Speed, Integrated Characterization System for (1) Radioactive, (2) Hazardous, and (3) Toxic Contamination

Focus Area Work Package ID: DD-05 **Focus Area Work Package:** Material Recycle and Release

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate
Three Dimensional, Integrated Characterization and Archiving System (3D-ICAS)		

Project Baseline Summary Report

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Operations/Field Office: **Rocky Flats** Print Date: **3/9/2000**

Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Technology Needs

Three Dimensional, Integrated Characterization and Archiving System (3D-ICAS)

Three Dimensional, Integrated Characterization and Archiving System (3D-ICAS)

Gamma Ray Imaging System

Gamma Ray Imaging System

Gamma Ray Imaging System

Mobile Automated Characterization System

Mobile Automated Characterization System

Mobile Automated Characterization System

Gamma Cam (TM) Radiation Imaging System

Gamma Cam (TM) Radiation Imaging System

Gamma Cam (TM) Radiation Imaging System

Surface Contamination Monitor and Survey Information Management System (SCM/SIMS)

Surface Contamination Monitor and Survey Information Management System (SCM/SIMS)

Surface Contamination Monitor and Survey Information Management System (SCM/SIMS)

Indoor Radiation Mapping Using Laser Assisted Ranging and Data System

Indoor Radiation Mapping Using Laser Assisted Ranging and Data System

Indoor Radiation Mapping Using Laser Assisted Ranging and Data System

In Situ Object Counting System

In Situ Object Counting System

In Situ Object Counting System

Decommissioning In-Situ Plutonium Inventory Monitor (DISPIM)

Decommissioning In-Situ Plutonium Inventory Monitor (DISPIM)

Decommissioning In-Situ Plutonium Inventory Monitor (DISPIM)

Technology Needs

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

Site Need Code: RF-DD03

Site Need Name: Improved Interior Airborne Particulates Control

Focus Area Work Package ID: DD-12 **Focus Area Work Package:** D&D of Weapons Components Fabrication Facilities

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate
Reactor Surface Contamination Stabilization		
Reactor Surface Contamination Stabilization		
Concrete Dust Supression System		
Concrete Dust Supression System		
Strippable Coatings and Fixatives		
Strippable Coatings and Fixatives		

Project Baseline Summary Report

Data Source: **EM CDB** Report Number: **GEN-01b**

Operations/Field Office: **Rocky Flats** Print Date: **3/9/2000**

Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Technology Needs

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

Site Need Code: RF-DD04

Site Need Name: Improved Measurement Techniques for Free Release of Property and Salvageable Equipment Contaminated with Radionuclides

Focus Area Work Package ID: DD-12 **Focus Area Work Package:** D&D of Weapons Components Fabrication Facilities

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate

Technology Needs

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

Site Need Code: RF-DD08

Site Need Name: Improved Worker Protection Clothing and Systems

Focus Area Work Package ID: DD-12 **Focus Area Work Package:** D&D of Weapons Components Fabrication Facilities

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate
FRHAM-TEX Anti Contamination Suit		
FRHAM-TEX Anti Contamination Suit		
NuFab Anti Contamination Suit		
NuFab Anti Contamination Suit		
Personal Ice Cooling System (PICS)		
Personal Ice Cooling System (PICS)		
Sealed-Seam Sack Suit		
Sealed-Seam Sack Suit		
Wireless Remote Monitoring System		

Technology Needs

Wireless Remote Monitoring System

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

Site Need Code: RF-DD09

Site Need Name: Improved Decontamination of Porous Surfaces in Preparation for Building Demolition

Focus Area Work Package ID: DD-13 **Focus Area Work Package:** Oversized Metallic TRU Waste Disposition

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate
Biodegradation of Concrete		
Biodegradation of Concrete		
Biodegradation of Concrete		
2-D Linear Motion System		
2-D Linear Motion System		
2-D Linear Motion System		
Rotary Peening with Captive Shot		
Rotary Peening with Captive Shot		

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Technology Needs

Rotary Peening with Captive Shot

Centrifugal Shot Blast System

Centrifugal Shot Blast System

Centrifugal Shot Blast System

Concrete Shaver

Concrete Shaver

Concrete Shaver

Remotely Operated Scabbling

Remotely Operated Scabbling

Remotely Operated Scabbling

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

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Project **RF017 / Building 707/750 Cluster Closure Project**

Technology Needs

Site Need Code: RF-DD10

Site Need Name: Improved Decontamination of Non-Porous Building Property and Structures

Focus Area Work Package ID: DD-12 **Focus Area Work Package:** D&D of Weapons Components Fabrication Facilities

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate
Laser Surface Cleaning		
Laser Surface Cleaning		
Laser Surface Cleaning		
CORPEX Nuclear Decontamination Process		
CORPEX Nuclear Decontamination Process		
CORPEX Nuclear Decontamination Process		
Soda Blasting Decontamination Process		
Soda Blasting Decontamination Process		
Soda Blasting Decontamination Process		
Laser Decontamination and Recycle of Metals		
Laser Decontamination and Recycle of Metals		
Laser Decontamination and Recycle of Metals		
Removal of Contaminants from Equipment and Debris, and Waste Minimization Using TECHXTRACT		
Removal of Contaminants from Equipment and Debris, and Waste Minimization Using TECHXTRACT		
Removal of Contaminants from Equipment and Debris, and Waste Minimization Using TECHXTRACT		
Portable Concentrator for Processing Plutonium Contaminated Solutions		
Portable Concentrator for Processing Plutonium Contaminated Solutions		

Project Baseline Summary Report

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Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Technology Needs

Portable Concentrator for Processing Plutonium Contaminated Solutions

Steam Vacuum Cleaning

Steam Vacuum Cleaning

Steam Vacuum Cleaning

Soft Media Blast Cleaning

Soft Media Blast Cleaning

Soft Media Blast Cleaning

Advanced Recyclable Media System

Advanced Recyclable Media System

Advanced Recyclable Media System

Decontamination and Volume Reduction System (DVRS)

Decontamination and Volume Reduction System (DVRS)

Decontamination and Volume Reduction System (DVRS)

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

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Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Technology Needs

Site Need Code: RF-DD11

Site Need Name: Improved Size Reduction of Contaminated Equipment and Demolition Waste

Focus Area Work Package ID: NMFA-03 **Focus Area Work Package:** Untitled (pending title by FA)

Focus Area: PLUTOFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both): Both

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate
Laser Cutting and Size Reduction		
Laser Cutting and Size Reduction		
Laser Cutting and Size Reduction		
High Speed Clamshell Pipe Cutter		
High Speed Clamshell Pipe Cutter		
High Speed Clamshell Pipe Cutter		
Oxy-Gasoline Torch		
Oxy-Gasoline Torch		
Oxy-Gasoline Torch		
Self Contained Pipe Cutting Shear		
Self Contained Pipe Cutting Shear		
Self Contained Pipe Cutting Shear		
Decontamination and Volume Reduction System (DVRS)		
Decontamination and Volume Reduction System (DVRS)		
Decontamination and Volume Reduction System (DVRS)		
Hand Held Shear		

Technology Needs

Hand Held Shear

Hand Held Shear

Innovative Size Reduction Nibblers

Innovative Size Reduction Nibblers

Innovative Size Reduction Nibblers

Innovative Size Reduction Shears

Innovative Size Reduction Shears

Innovative Size Reduction Shears

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N

Site Need Code: RF-DD15

Site Need Name: Real-Time Beryllium Surface Characterization

Focus Area Work Package ID: DD-12 **Focus Area Work Package:** D&D of Weapons Components Fabrication Facilities

Focus Area: DDFA **Agree with Technology Link:** Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate

Project Baseline Summary Report

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Technology Needs

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N
	01388: ER-04C - Sorted D&D TRU	Y	N
	01389: ER-04D - Sorted D&D Uncontaminated to Disposal	Y	N
	01387: ER-04B - Sorted D&D LLM	Y	N
	01386: ER-04A - Sorted D&D LLW	Y	N
	01390: ER-04E - Sorted D&D HAZ to Disposal	Y	N
	01391: ER-04F - Sorted D&D to On Site Placement	Y	N

Site Need Code: RF-IF01

Site Need Name: Improved Computer-Based Training Platforms

Focus Area Work Package ID:

Focus Area Work Package:

Focus Area:

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate

Project Baseline Summary Report

Data Source: **EM CDB** Report Number: **GEN-01b**

Operations/Field Office: **Rocky Flats** Print Date: **3/9/2000**

Site Summary Level: **Rocky Flats Environmental Technology Site** HQ ID: **0357**

Project **RF017 / Building 707/750 Cluster Closure Project**

Technology Needs

Site Need Code: RF-WM12

Site Need Name: Bulk Debris Characterization Techniques

Focus Area Work Package ID: MW-01

Focus Area Work Package: Nondestructive Characterization for Treatment, Transportation, and Disposal of MLL and MTRU Waste.

Focus Area: MWFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both):

Technologies	Cost Savings (in thousands of dollars)	Range of Estimate

Related CCP Milestones	Related Waste Streams	Agree?	Change?
	01385: ER-04 - D&D Waste (HAZ, LLW, MLLW, TRU/MTRU, Uncontam)	Y	N